



UNITED STATES PATENT AND TRADEMARK OFFICE.

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/977,194	10/16/2001	Atsushi Kota	Q66658	3620

7590 09/08/2003
SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC
2100 Pennsylvania Avenue, N.W.
Washington, DC 20037-3213

EXAMINER

DHARIA, PRABODH M

ART UNIT	PAPER NUMBER
----------	--------------

2673

DATE MAILED: 09/08/2003

5

Please find below and/or attached an Office communication concerning this application or proceeding.

7

Office Action Summary

Application No.

09/977,194

Applicant(s)

KOTA ET AL.

Examiner

Prabodh M Dharia

Art Unit

2673

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 16 October 2001.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 4.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other:

Priority

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Specification

2. Applicant is reminded of the proper language and format for an abstract of the disclosure.

The abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of 50 to 150 words. It is important that the abstract not exceed 150 words in length since the space provided for the abstract on the computer tape used by the printer is limited. The form and legal phraseology often used in patent claims, such as "means" and "said," should be avoided. The abstract should describe the disclosure sufficiently to assist readers in deciding whether there is a need for consulting the full patent text for details.

The language should be clear and concise and should not repeat information given in the title. It should avoid using phrases which can be implied, such as, "The disclosure concerns," "The disclosure defined by this invention," "The disclosure describes," etc.

3. The abstract of the disclosure is objected to because word count exceeds 150, it is not in narrative form and also it is not a single paragraph. Correction is required. See MPEP § 608.01(b).

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are

Art Unit: 2673

such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 1-14,17-20, are rejected under 35 U.S.C. 103(a) as being unpatentable over Okuda (6,380,689 B1) in view of Nakano et al. (6,043,818).

Regarding Claim 1, Okuda teaches a picture displaying apparatus (Col. 1, Lines 6-10, Lines 15-18), comprising: a plurality of scanning lines to which scanning signals are inputted (Col. 3, Lines 30-34, Lines 35-37), respectively; a plurality of data lines to which data signals are inputted, respectively (Col. 3, Lines 30-34, Lines 40-43); a light emission element disposed at each of a plurality of intersections (Col. 3, Lines 30-34, Col. 1, Lines 6-9, Col. 1, Line 65 to Col. 2, Line 14) composed of the plurality of scanning lines and the plurality of data lines (Col. 3, Lines 30-34); a picture displaying unit having the plurality of light emission elements (Col. 1, Lines 6-10, Lines 15-18); and a memory unit storing a single display data indicative of an display content of the picture displaying unit (Col. 3, Line 29), and wherein the memory unit has a plurality of memory cells (Col. 3, Lines 46-48), and wherein each of the plurality of memory cells stores a unit display data of a part of the single display data (Col. 3, Lines 49-55), and wherein a plurality of the unit display data stored in the plurality of memory cells (Col. 3, Lines 46-55).

However, Okuda fails to teach memory are read from the memory unit in a different order for each single predetermined frame or each plural predetermined frames, and wherein the plurality of unit display data are written to the picture displaying unit in an order when the, plurality of unit display data are read from the memory unit, such that the display content in the picture displaying unit is different for the each predetermined frame or frames.

Art Unit: 2673

However, Nakano et al. teaches memory are read from the memory unit in a different order for each single predetermined frame or each plural predetermined frames, and wherein the plurality of unit display data are written to the picture displaying unit in an order when the, plurality of unit display data are read from the memory unit, such that the display content in the picture displaying unit is different for the each predetermined frame or frames (Col. 13, Lines 16-26, Col. 14, Lines 4-10, Col. 15, Lines 11 to Col. 16, Line 3) (during screen saver routine the CPU only accesses the screen saver program where it is displaying rotating image stored in the memory, since different part of the image to be displayed different position on the display it requires to read frame by frame basis information in the different order and the display content in the picture displaying unit is different for the each predetermined frame or frames).

Thus it is obvious to one in the ordinary skill in the art at the time of invention was made to incorporate teaching of Nakano et al. in Okuda teaching to be able to select and display a unique image during screen saver program and protect the display screen from burn-in.

Regarding Claim 2, Nakano et al. teaches when the plurality of unit display data are read from the memory unit, at least one specific memory cell among the plurality of memory cells is used as a read start position and the plurality of unit display data are read in accordance with an arrangement order of the plurality of memory cells from the specific memory cell, and wherein the specific memory cell is changed for the each predetermined frame or frames (Col. 13, Lines 16-26, Col. 14, Lines 4-10, Col. 15, Lines 11 to Col. 16, Line 3) (during screen saver routine the CPU only accesses the screen saver program it has stored specific rotating display images specific memory cells, where it is displaying rotating image stored in the memory, since different

Art Unit: 2673

part of the image to be displayed different position on the display it requires to read frame by frame basis information in the different order and the display content in the picture displaying unit is different for the each predetermined frame or frames).

Regarding Claim 3, Nakano et al. teaches a part of the plurality of unit display data is changed before the part of the plurality of unit display data is read from the memory unit, and wherein the plurality of unit display data including the changed part of the plurality of unit display data are read from the memory unit in the different order for the each predetermined frame or frames, and wherein the plurality of unit display data including the changed part of the plurality of unit display data are written to the picture displaying unit, in accordance with the order when the plurality of unit display data are read from the memory unit (Col. 13, Lines 16-26, Col. 14, Lines 4-10, Col. 15, Lines 11 to Col. 16, Line 3) (during screen saver routine the CPU only accesses the screen saver program it has stored specific rotating display images specific memory cells, where it is displaying rotating image stored in the memory, since different part of the image to be displayed different position on the display it requires to read frame by frame basis information in the different order and the display content in the picture displaying unit is different for the each predetermined frame or frames).

Regarding Claim 4, Nakano et al. teaches a part of the plurality of unit display data is changed before the part of the plurality of unit display data is read from the memory unit, and wherein the plurality of unit display data including the changed part of the plurality of unit display data are read from the memory unit in the different order for the each predetermined

Art Unit: 2673

frame or frames, and wherein the plurality of unit display data including the changed part of the plurality of unit display data are written to the picture displaying unit, in accordance with the order when the plurality of unit display data are read from the memory unit (Col. 13, Lines 16-26, Col. 14, Lines 4-10, Col. 15, Lines 11 to Col. 16, Line 3) (during screen saver routine the CPU only accesses the screen saver program it has stored specific rotating display images specific memory cells, where it is displaying rotating image stored in the memory, since different part of the image to be displayed different position on the display it requires to read frame by frame basis information in the different order and the display content in the picture displaying unit is different for the each predetermined frame or frames).

Regarding Claim 5, Okuda teaches a picture displaying apparatus (Col. 1, Lines 6-10, Lines 15-18), comprising: a plurality of scanning lines to which scanning signals are inputted (Col. 3, Lines 30-34, Lines 35-37), respectively; a plurality of data lines to which data signals are inputted, respectively (Col. 3, Lines 30-34, Lines 40-43); a light emission element disposed at each of a plurality of intersections (Col. 3, Lines 30-34, Col. 1, Lines 6-9, Col. 1, Line 65 to Col. 2, Line 14) composed of the plurality of scanning lines and the plurality of data lines (Col. 3, Lines 30-34); a picture displaying unit having the plurality of light emission elements (Col. 1, Lines 6-10, Lines 15-18); and wherein the picture displaying unit (Col. 1, Lines 6-10, Lines 15-18), has a plurality of pixels corresponding to the plurality of light emission elements (Col. 1, Line 65 to Col. 2, Line 4, Col. 3, Line 64 to Col. 4, Line 2, Col. 3, lines 49-58), and wherein each of the plurality of memory (Col. 3, Line 29) cells stores (Col. 3, Lines 49-51) a unit display data (Col. 3, Lines 51-55) of a part of the single display data (Col. 3, Lines 49-56), and wherein the

Art Unit: 2673

unit display data is written to each of the plurality of pixels (Col. 3, lines 55-58) and wherein the memory unit has a plurality of memory cells (Col. 3, Lines 46-48), and wherein each of the plurality of memory cells stores a unit display data of a part of the single display data (Col. 3, Lines 49-55), and wherein a plurality of the unit display data stored in the plurality of memory cells (Col. 3, Lines 46-55).

However, Okuda fails to teach memory are read from the memory unit in a different order for each single predetermined frame or each plural predetermined frames, and wherein the plurality of unit display data are written to the picture displaying unit in an order when the, plurality of unit display data are read from the memory unit, such that the display content in the picture displaying unit is different for the each predetermined frame or frames.

However, Nakano et al. teaches memory are read from the memory unit in a different order for each single predetermined frame or each plural predetermined frames, and wherein the plurality of unit display data are written to the picture displaying unit in an order when the, plurality of unit display data are read from the memory unit, such that the display content in the picture displaying unit is different for the each predetermined frame or frames (Col. 13, Lines 16-26, Col. 14, Lines 4-10, Col. 15, Lines 11 to Col. 16, Line 3) (during screen saver routine the CPU only accesses the screen saver program where it is displaying rotating image stored in the memory, since different part of the image to be displayed different position on the display it requires to read frame by frame basis information in the different order and the display content in the picture displaying unit is different for the each predetermined frame or frames).

Art Unit: 2673

Thus it is obvious to one in the ordinary skill in the art at the time of invention was made to incorporate teaching of Nakano et al. in Okuda teaching to be able to select and display a unique image during screen saver program and protect the display screen from burn-in.

Regarding Claim 6, Okuda teaches when the plurality of unit display data are written to the picture displaying unit (Col. 3, Lines 44-47), at least one specific pixel among the plurality of pixels is used as a write start position (Col. 3, Lines 49-58) and the plurality of unit display data are written in accordance with an arrangement order of the plurality of pixels from the specific pixel, and wherein the specific pixel is changed for the each predetermined frame or frames (Col. 3, Line 64 to Col. 4, Line 25). Nakano et al. teaches during screen saver routine the rotating image stored in the memory, display in different part of the screen with different image, which changes data written to specific pixel frame to frame or predetermined frames (Col. 13, Lines 16-26, Col. 14, Lines 4-10, Col. 15, Lines 11 to Col. 16, Line 3)

Regarding Claim 7, Nakano et al. teaches a part of the plurality of unit display data is changed before the part of the plurality of unit display data is read from the memory unit, and wherein the plurality of unit display data including the changed part of the plurality of unit display data are written to the picture displaying unit in the different order for the each predetermined frame or frames (Col. 13, Lines 16-26, Col. 14, Lines 4-10, Col. 15, Lines 11 to Col. 16, Line 3) (during screen saver routine the CPU only accesses the screen saver program where it is displaying rotating image stored in the memory, since different part of the image to be displayed different position on the display it requires to read frame by frame basis information in

Art Unit: 2673

the different order and the display content in the picture displaying unit is different for the each predetermined frame or frames).

Regarding Claim 8, Nakano et al. teaches a part of the plurality of unit display data is changed before the part of the plurality of unit display data is read from the memory unit, and wherein the plurality of unit display data including the changed part of the plurality of unit display data are written to the picture displaying unit in the different order for the each predetermined frame or frames (Col. 13, Lines 16-26, Col. 14, Lines 4-10, Col. 15, Lines 11 to Col. 16, Line 3) (during screen saver routine the CPU only accesses the screen saver program where it is displaying rotating image stored in the memory, since different part of the image to be displayed different position on the display it requires to read frame by frame basis information in the different order and the display content in the picture displaying unit is different for the each predetermined frame or frames).

Regarding Claim 9, Nakano et al. teaches the picture displaying unit is designed such that lights of the picture displaying unit can be emitted in three colors of R, G and B, and wherein a supply of currents to the plurality of data lines corresponding to at least one of the three colors of R, G and B is stopped, such that the lights are emitted from the picture displaying unit in one or two colors among the three colors of R, G and B (Col. 3, Line 63 to Col. 4, Line 12). (during screen saver routine the CPU only accesses the screen saver program where it is displaying rotating image stored in the memory, and screen saver routine to reduce the brightness, it is obvious to one in the ordinary skill in the art display with less color to fade the image).

Art Unit: 2673

Regarding Claim 10, Nakano et al. teaches the picture displaying unit is designed such that lights of the picture displaying unit can be emitted in three color of R, G and B, and wherein a supply of currents to the plurality of data lines corresponding to at least one of the three colors of R, G and B is stopped, such that the lights are emitted from the picture displaying unit in one or two colors among the three colors of R, G and B (Col. 3, Line 63 to Col. 4, Line 12). (during screen saver routine the CPU only accesses the screen saver program where it is displaying rotating image stored in the memory, and screen saver routine to reduce the brightness, it is obvious to one in the ordinary skill in the art display with less color to fade the image).

Regarding Claim 11, Nakano et al. teaches at least one of the three colors of R, G and B is changed for the each predetermined frame or frames (during screen saver routine the rotating image stored in the memory, display in different part of the screen with different image, which changes data with color written to specific pixel frame to frame or predetermined frames (Col. 13, Lines 16-26, Col. 14, Lines 4-10, Col. 15, Lines 11 to Col. 16, Line 3).

Regarding Claim 12, Nakano et al. teaches the at least one of the three colors of R, G and B is changed for the each predetermined frame or frames (during screen saver routine the rotating image stored in the memory, display in different part of the screen with different image, which changes data with color written to specific pixel frame to frame or predetermined frames (Col. 13, Lines 16-26, Col. 14, Lines 4-10, Col. 15, Lines 11 to Col. 16, Line 3).

Art Unit: 2673

Regarding Claim 13, Nakano et al. teaches the single display data is one of static picture data and dynamic picture data (Col. 1, Line 66 to Col. 2, Line 6).

Regarding Claim 14, Nakano et al. teaches the single display data is one of static picture data and dynamic picture data (Col. 1, Line 66 to Col. 2, Line 6).

Regarding Claim 17, Okuda teaches a method of driving (Col. 1, Lines 65-67) a picture displaying apparatus (Col. 1, Lines 6-10, Lines 15-18), comprising: (a) providing a picture displaying apparatus (Col. 1, Lines 6-10, Lines 15-18), which includes a picture displaying unit (Col. 1, Lines 6-10, Lines 15-18), having a plurality of light emission elements (Col. 2, lines 1-4), the plurality of light emission elements being disposed at a plurality of intersections composed of a plurality of scanning lines to which scanning signals are inputted, respectively and a plurality of data lines to which data signals are inputted, respectively (Col. 3, Lines 31-34, Lines 35-58); (b) providing a memory unit storing a single display data indicative of an display content of the picture displaying unit (Col. 3, Line 29), and wherein the memory unit has a plurality of memory cells (Col. 3, Lines 46-48), and wherein each of the plurality of memory cells stores a unit display data of a part of the single display data (Col. 3, Lines 49-55), and wherein a plurality of the unit display data stored in the plurality of memory cells (Col. 3, Lines 46-55).

However, Okuda fails to teach (c) reading a plurality of the unit display data stored in the plurality of memory cells from the memory unit in a different order for each single predetermined frame or each plural predetermined frames; and (d) writing the plurality of unit

Art Unit: 2673

display data to the picture displaying unit in a order when the plurality of unit display data are read from the memory unit, such that the display content in the picture displaying unit is different for the each predetermined frame or frames.

However, Nakano et al. teaches (c) reading a plurality of the unit display data stored in the plurality of memory cells from the memory unit in a different order for each single predetermined frame or each plural predetermined frames; and (d) writing the plurality of unit display data to the picture displaying unit in a order when the plurality of unit display data are read from the memory unit, such that the display content in the picture displaying unit is different for the each predetermined frame or frames (Col. 13, Lines 16-26, Col. 14, Lines 4-10, Col. 15, Lines 11 to Col. 16, Line 3) (during screen saver routine the CPU only accesses the screen saver program where it is displaying rotating image stored in the memory, since different part of the image to be displayed different position on the display it requires to read frame by frame basis information in the different order and the display content in the picture displaying unit is different for the each predetermined frame or frames).

Thus it is obvious to one in the ordinary skill in the art at the time of invention was made to incorporate teaching of Nakano et al. in Okuda teaching to be able to select and display a unique image during screen saver program and protect the display screen from burn-in.

Regarding Claim 18, Nakano et al. teaches (e) changing a part of the plurality of unit display data before the (c) is performed, and wherein at the (c), the plurality of unit display data including the changed part of the plurality of unit display data are read from the memory unit in the different order for the each predetermined frame or frames, and wherein at the step (d), the

Art Unit: 2673

plurality of unit display data including the changed part of the plurality of unit display data are written to the picture displaying unit (Col. 13, Lines 16-26, Col. 14, Lines 4-10, Col. 15, Lines 11 to Col. 16, Line 3) (during screen saver routine the CPU only accesses the screen saver program where it is displaying rotating image stored in the memory, since different part of the image to be displayed different position on the display it requires to read frame by frame basis information in the different order and the display content in the picture displaying unit is different for the each predetermined frame or frames).

Regarding Claim 19, Okuda teaches a method of driving (Col. 1, Lines 65-67) a picture displaying apparatus (Col. 1, Lines 6-10, Lines 15-18), comprising: (f) providing a picture displaying apparatus (Col. 1, Lines 6-10, Lines 15-18), which includes a picture displaying unit (Col. 1, Lines 6-10, Lines 15-18), having a plurality of light emission elements (Col. 2, lines 1-4), the plurality of light emission elements being disposed at a plurality of intersections composed of a plurality of scanning lines to which scanning signals are inputted, respectively and a plurality of data lines to which data signals are inputted (Col. 3, Lines 31-34, Lines 35-58), respectively, wherein the picture displaying unit (Col. 1, Lines 6-10, Lines 15-18), includes a plurality of pixels corresponding to the plurality of light emission elements (Col. 2, lines 1-4); (g) providing a memory unit storing a single display data indicative of an display content of the picture displaying unit (Col. 3, Line 29), wherein the memory unit has a plurality of memory cells, and each of the plurality of memory cells stores a unit display data of a part of the single display data (Col. 3, Lines 46-48); (h) reading a plurality of the unit display data from the

Art Unit: 2673

plurality of memory cells (Col. 3, Lines 51-55); and (i) writing the read unit display data to each of the plurality of pixels (Col. 3, Lines 49-51).

However, Okuda fails to teach the (i), the plurality of read unit display data are written to the picture displaying unit in a different order for each single predetermined frame or each plural predetermined frames, such that the display content in the picture displaying unit is c) different for the each predetermined frame or frames.

However, Nakano et al. teaches the (i), the plurality of read unit display data are written to the picture displaying unit in a different order for each single predetermined frame or each plural predetermined frames, such that the display content in the picture displaying unit is c) different for the each predetermined frame or frames. (Col. 13, Lines 16-26, Col. 14, Lines 4-10, Col. 15, Lines 11 to Col. 16, Line 3) (during screen saver routine the CPU only accesses the screen saver program where it is displaying rotating image stored in the memory, since different part of the image to be displayed different position on the display it requires to read frame by frame basis information in the different order and the display content in the picture displaying unit is different for the each predetermined frame or frames).

Thus it is obvious to one in the ordinary skill in the art at the time of invention was made to incorporate teaching of Nakano et al. in Okuda teaching to be able to select and display a unique image during screen saver program and protect the display screen from burn-in.

Regarding Claim 20, Nakano et al. teaches (j) changing a part of the plurality of unit display data before the (h) is performed, and wherein at the step (h), the plurality of unit display data including the changed part of the plurality of unit display data are read from the plurality of

Art Unit: 2673

memory cells, and wherein at the-step (i), the plurality of unit display data including the changed part of the plurality of unit display data are written to the picture displaying unit in the different order for the each predetermined frame or frames (Col. 13, Lines 16-26, Col. 14, Lines 4-10, Col. 15, Lines 11 to Col. 16, Line 3) (during screen saver routine the CPU only accesses the screen saver program where it is displaying rotating image stored in the memory, since different part of the image to be displayed different position on the display it requires to read frame by frame basis information in the different order and the display content in the picture displaying unit is different for the each predetermined frame or frames).

6. Claims 15,16, are rejected under 35 U.S.C. 103(a) as being unpatentable over Okuda (6,380,689 B1) in view of Nakano et al. (6,043,818) as applied to claims 1-14, 17-20, above, and further in view of Ge et al. (5,347,292).

Regarding Claim 15, Okuda et al. modified by Nakano et al. teaches the light emission element is one of an EL element (Col. 1, Line 60 to Col. 2, line 4).

However, Okuda et al. modified by Nakano et al. fails to teach a light emitting diode and an FED.

However, Ge et al. teaches a light emitting diode and an FED (Col. 1, Lines 37,38, Col. 2, Lines 60-64, Col. 3, Lines 57-63).

Thus it is obvious to one in the ordinary skill in the art at the time of invention was made to incorporate teaching of GE et al. in Okuda et al. modified by Nakano et al. teaching to be able to improve brightness, contrast and resolution in an optical device display.

Regarding Claim 16, Okuda et al. teaches the light emission element is one of an EL element (Col. 1, Line 60 to Col. 2, line 4). Ge et al. teaches a light emitting diode and an FED (Col. 1, Lines 37,38, Col. 2, Lines 60-64, Col. 3, Lines 57-63).

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Applicant is informed that all of the other additional cited references render the claims obvious.

Conclusion

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Nishigaki et al. (6,545,651 B2) Driving circuit for organic thin film elements.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Prabodh M Dharia whose telephone number is 703-605-1231. The examiner can normally be reached on M-F 8AM to 5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bipin Shalwala can be reached on 703-3054938. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-4750.

Art Unit: 2673

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

PD

AU2673

August 13, 2003

A handwritten signature in black ink, appearing to read 'Vijay Shankar', written in a cursive style.

**VIJAY SHANKAR
PRIMARY EXAMINER**